

IN THE CLAIMS:

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1. (canceled)

2. (canceled)

3. (canceled)

4. (canceled)

5. (canceled)

6. (canceled)

7. (new) A temperature control apparatus comprising:

a temperature controlling heat exchanger having passages for passing a temperature controlling fluid;

connecting pipes respectively connected to said passages of said temperature controlling heat exchanger;

a first block having passages for passing a temperature controlling fluid to said temperature controlling heat exchanger, said first block being arranged at a first distance from said temperature controlling heat-exchanger;

a second block forming passages between said passages of said first block and said connecting pipes, said second block being arranged at a second distance from said temperature controlling heat-exchanger; and

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sealing members respectively connecting said connecting pipes movably to said passages of said second block, said sealing members having a width;

wherein said connecting pipes respectively have a length substantially equal to or shorter than said first distance between said temperature controlling heat exchanger and said first block, and said length of said connecting pipes is longer than a sum of said second distance between said temperature controlling heat exchanger and said second block added to said width of said sealing members.

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8. (new) A temperature control apparatus comprising:  
a temperature controlled heat exchanger having passages for passing a temperature controlled fluid;

connecting pipes respectively connected to said passages of said temperature controlled heat exchanger;

a first block having passages for passing a temperature controlled fluid to said temperature controlled heat exchanger, said first block being arranged at a first distance from said temperature controlled heat-exchanger;

a second block forming passages between said passages of said first block and said connecting pipes, said second block being arranged at a second distance from said temperature controlled heat-exchanger;  
and

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sealing members respectively connecting said connecting pipes movably to said passages of said second block, said sealing members having a width;

wherein said connecting pipes have a length substantially equal to or shorter than said first distance between said temperature controlled heat exchanger and said first block, and said length of said connecting pipes is longer than a sum of said second distance between said temperature controlled heat exchanger and said second block added to said width of said sealing members.

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9. (new) A temperature control apparatus comprising:

a heat exchange unit for exchanging heat between a temperature controlling heat exchanger having passages for passing a temperature controlling fluid and a temperature controlled heat exchanger having passages for passing a temperature controlled fluid;

first connecting pipes connected to said passages of said temperature controlling heat exchanger;

a first block having passages for passing a temperature controlling fluid to said temperature controlling heat exchanger, said first block being arranged at a first distance from said temperature controlling heat-exchanger;

a second block forming passages between said passages of said first block and said first connecting pipes, said second block being

arranged at a second distance from said temperature controlling heat-exchanger;

first sealing members respectively connecting said first connecting pipes movably to said passages of said second block, said first sealing member having a width;

second connecting pipes connected to said passages of said temperature controlled heat exchanger;

a third block having passages for passing said temperature controlled fluid to said temperature controlled heat exchanger, said third block being arranged at a third distance from said temperature controlled heat-exchanger;

a fourth block forming passages between said passages of said third block and said second connecting pipes, said fourth block being arranged at a fourth distance from said temperature controlling heat-exchanger; and

second sealing members respectively connecting said second connecting pipes movably to said passages of said fourth block, said second sealing members having a second width;

wherein said first connecting pipes have a length substantially equal to or shorter than said first distance between said temperature controlling heat exchanger and said first block, and said length of said first connecting pipes is longer than a sum of said second distance

between said temperature controlling heat exchanger and said second block added to said first width of said first sealing members, and

wherein said second connecting pipes have a length substantially equal to or shorter than said third distance between said temperature controlled heat exchanger and said third block, and said length of said second connecting pipes is longer than a sum of said fourth distance between said temperature controlled heat exchanger and said fourth block added to said second width of said second sealing members.